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Yeong-Sool [KR/KR]; c/o POSCO, 1 Koedong-dong,  
Nam-ku, Pohang, Kyungsangbook-do 790-300 (KR).

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(74) Agent: **C & S PATENT AND LAW OFFICE**; C-2306  
Daelim Acrotel, 467-6 Dogok-dong, Kangnam-gu., Seoul  
135-971 (KR).

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(71) Applicant (*for all designated States except US*):  
**POSCO** [KR/KR]; 1 Koedong-dong, Nam-ku, Po-  
hang,, Kyungsangbook-do 790-300 (KR).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **KIM, Jin-Tae**  
[KR/KR]; c/o POSCO, 1 Koedong-dong, Nam-ku,  
Pohang,, Kyungsangbook-do 790-300 (KR). **JUNG,**  
**Byung-Kuk** [KR/KR]; c/o POSCO, 5 Dongchon-dong,  
Nam-ku, Pohang, Kyungsangbook-do 790-360 (KR). **JIN,**

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(54) Title: PAINT COMPOSITION IMPROVED FAR-INFRARED RADIATION, ANTIBIOSIS AND SOLVENT RESISTANCE,  
AND PRECOATED METAL SHEET COATED THE SAME

(57) Abstract: Disclosed is a paint composition having high far-infrared radioactivity, antibiotic activity and solvent resistance and a precoated metal sheet for home appliances, coated with the paint composition. According to the current invention, a paint composition including a thermosetting resin, 9-60 parts by weight of ceramic powder and 0.2-4.0 parts by weight of phosphoric acid, based on 100 parts by weight of the thermosetting resin, is provided, and a precoated metal sheet coated with such a paint composition is also provided. The paint composition and the precoated metal sheet coated with the paint composition manifest high far-infrared radioactivity and antibiotic activity, and as well, have storage stability and solvent resistance increased by neutralizing the alkalinity of ceramic powder using phosphoric acid. Further, a silane compound and a curing catalyst are additionally used to increase gloss and processability.



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